FORM PTO-1	449 (S	SUBSTITUTE)	Attorney Docket No.: Applic. No. 1999 P 2198 Concurrently herewith					
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				Applicant Lothar Musiol et al.				
INFORMATION DISCLOSURE								
STATEMENT BY APPLICANT				Filing Date Group Art Unit December 31, 2001				
(37 CFR 1.98(b))				Beccineer 51, 2001				
				4,,00	- Wester			
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS		ING
all	A	3,345,578	10/67	Shuda	330	22		
den	В	3,519,945	07/70	Lawson et al.	330	2		
Ken	С	4,417,240	11/83	Ahmed	340	782		
Son	D	5,541,554	07/96	Stengel et al.	330	51		
	E							
	F							
	G							
	Н							
	I	to pulsation						
		FOREI	GN PATE	NT DOCUMENT				
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO	
(In	J	0 457 932 A1	11/91	Europe	CLASS	CLASS	IES	x
To some	K	0 648 010 A1	04/95	Europe		_	x	
2 2-	L	2 289 810 A	11/95	Great Britain			x	
3000	M	WO 99/12174	11/99	WIPO			х	
500	N	WO 98/07199	02/98	WIPO	<u> </u>		x	
01	THER	DOCUMENTS (Inc	cluding Au	thor, Title, Date, Per	tinent Pag	es, etc.)		
gen	i i	Patent Abstracts of Japan No. 01-291506 (Nakatsuka), dated November 24, 1989.						
,								
EXAMINER S	3 T	No 110	DATE CONSIDERE	E CONSIDERED S-7-03				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next								
communication			nd not consid	dered. Include copy of	t this form v	with next		